

Title (en)

Method for determining the oil content in oil-in-water emulsions.

Title (de)

Verfahren zur Bestimmung des Ölgehaltes von Öl-in-Wasser-Emulsionen.

Title (fr)

Procédé de détermination de la teneur en huiles des émulsions d'huile dans l'eau.

Publication

EP 0543057 A1 19930526 (EN)

Application

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Priority

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Abstract (en)

The invention relates to a method for determining the oil content of oil-in-water emulsions generally containing 1-10% w/w of oil. This method is characterized by introducing an indicator in the oil phase - prior to its use in the oil-in-water emulsion - and subsequently determining the oil concentration after or during the use of the oil-in-water emulsion in a spectrophotometrical way. The indicators, suitable for use in the method according to the invention are a.o. the generally known acid/base indicators and the fluorescent indicators. The amount of indicator may vary between wide limits but lies preferably in the range of 10-500 ppm of indicator based on the oil of the oil-in-water emulsion. The data obtained with the spectrophotometrical analysis are compared with calibration curves for the system used, giving the concentration of the oil in the oil-in-water emulsion. <IMAGE>

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Citation (search report)

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